

00/20134

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
4 January 2001 (04.01.2001)

PCT

(10) International Publication Number  
WO 01/00786 A2(51) International Patent Classification<sup>7</sup>:

C12N

(21) International Application Number: PCT/IL00/00366

(22) International Filing Date: 22 June 2000 (22.06.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/140,749 25 June 1999 (25.06.1999) US  
09/436,647 9 November 1999 (09.11.1999) US(71) Applicant (for all designated States except US): SPRING  
DIAGNOSTICS LTD. [IL/IL]; Building 13A, Kiryat  
Weizmann Science Park, 70400 Nes Ziona (IL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): TEPER, Gabriel  
[IL/IL]; Meshek 76, 76885 Moshav Galia (IL).(74) Agent: EHRLICH, Gal; G.E. Ehrlich (1995) Ltd., 28  
Bezalel Street, 52521 Ramat Gan (IL).(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,  
DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,  
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,  
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,  
TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian  
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European  
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,  
IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG,  
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

## Published:

— Without international search report and to be republished  
upon receipt of that report.For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

WO 01/00786 A2

(54) Title: BACTERIOPHAGE LIBRARY USEFUL FOR TYPING BACTERIA AND SYSTEM AND METHOD UTILIZING  
SAME

(57) Abstract: A bacteriophage library useful for typing bacteria. The bacteriophage library includes a plurality of bacteriophages being categorized into: (a) a first category including bacteriophages being infective to a first type of bacteria; (b) a second category including bacteriophages being infective to a second type of bacteria; and (c) a third category including bacteriophages being infective to both the first type and the second type of bacteria.